

20000720.qrp v01_n888.qrl.20000720

Date: Thu, 20 Jul 2000 19:03:09 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1888

QRP-L Digest 1888

Topics covered in this issue include:

- 1) [75391] Re: painting aluminum
by K2UD@aol.com
- 2) [75392] RE: painting aluminum
by "Ed Tanton" <n4xy@att.net>
- 3) [75393] BB Contest
by "Ron Polityka" <wb3aal@talon.net>
- 4) [75394] Re: painting aluminum
by tailfeathers@juno.com
- 5) [75395] Possible source of Noise on 14.060 MHz.
by WW30@cs.com
- 6) [75396] Re: painting aluminum
by ABCQRP <w6abc@yahoo.com>
- 7) [75397] Re: painting aluminum
by Richard Voss <rbvoss@gsinet.net>
- 8) [75398] NEQRP/WQ1RP CW net - 20 July 00, 9:00PM EDT (0100Z, 21JUL00),
3.561MHZ
by "C. J. Ludinsky" <cjl@mitre.org>
- 9) [75399] Re: painting aluminum
by NB6M@aol.com
- 10) [75400] How do some people stay in business?
by Larry East <w1hue@amsat.org>
- 11) [75401] Re: How do some people stay in business?
by "John J. McDonough" <wb8rcr@arrl.net>
- 12) [75402] Re: How do some people stay in business?
by "w8diz" <w8diz@cinci.rr.com>
- 13) [75403] Backpacking QRP Extravaganza!
by ARDUJENSKI@aol.com
- 14) [75404] Ten Tec 1202 Power Meter, I was the original mod author
by Stuart Rohre <rohre@arlut.utexas.edu>
- 15) [75405] PSK-31 Software for Mac
by "Paul Gerhardt" <pgerhardt@hotmail.com>
- 16) [75406] FOX: Summer Fox AE2T Today 7/20 2000UTC
by "Al Gritzmacher" <ae2t@adelphia.net>
- 17) [75407] Re: How do some people stay in business?
by DYARNES@aol.com
- 18) [75408] Re: How do some people stay in business?
by "Manager QRP-L" <manager@astro.cc.lehigh.edu>

- 19) [75409] Re: FOX: Summer Fox AE2T Today 7/20 2000UTC
by bruceshaw@juno.com
- 20) [75410] Re: Summer Fox AE2T Today 7/20 2000UTC
by "Brian" <brian@iquest.net>
- 21) [75411] HTX-10 CW mods
by n5ib@juno.com
- 22) [75412] Re: FOX: Summer Fox AE2T Today 7/20 2000UTC
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 23) [75413] adjusting cubic (swan) astro 150 for qrp operation
by "steve" <sblary@bellsouth.net>
- 24) [75414] RE: painting aluminum
by Michael Ostrowski <mostrowski@CreativeSolutions.com>
- 25) [75415] Re: Remote controlled balanced tuner
by Charles Kadesch <w3kc@starpower.net>
- 26) [75416] RE: painting aluminum
by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
- 27) [75417] Re: How do some people stay in business?
by Bruce Muscolino <w6toy@erols.com>
- 28) [75418] RE: How do some people stay in business?
by Michael Ostrowski <mostrowski@CreativeSolutions.com>
- 29) [75419] Re: How do some people stay in business?
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
- 30) [75420] RE: painting aluminum
by "Dan Hogan" <dhhogan@nav.cnchost.com>
- 31) [75421] Kent touch paddles
by "NA6E" <na6e@qsl.net>
- 32) [75422] RE: Remote controlled balanced tuner
by "AI2Q Alex" <ai2q@ispchannel.com>
- 33) [75423] Want to go "Retro"
by "Joe Trombino" <w2kj@earthlink.net>
- 34) [75424] Re: How do some people stay in business?
by mulveyr@iname.com
- 35) [75425] Re: Kent touch paddles
by NB6M@aol.com
- 36) [75426] Re: Kent touch paddles
by NB6M@aol.com
- 37) [75427] 6 meter xvtr/Solder pad cutter
by Greg Weinfurtner <weinfurt@oak.cats.ohiou.edu>
- 38) [75428] Re: 6 meter xvtr/Solder pad cutter
by Greg Weinfurtner <weinfurt@oak.cats.ohiou.edu>
- 39) [75429] Re: How do some people stay in business?
by "Manager QRP-L" <manager@astro.cc.lehigh.edu>
- 40) [75430] New supplier
by "Rod, N0RC" <n0rc@qsl.net>
- 41) [75431] FOX & PROP
by "Rod, N0RC" <n0rc@qsl.net>
- 42) [75432] Solar Power Resources/links for QRP?
by Mike Parkes <mike.parkes@westcoasthotels.com>

- 43) [75433] RE: painting aluminum
by "Brad Hernlem" <alihernlem@hotmail.com>
- 44) [75434] Re: Solar Power Resources/links for QRP?
by mulveyr@iname.com
- 45) [75435] PICS
by "Rod, N0RC" <n0rc@qsl.net>
- 46) [75436] Re: Solar Power Resources/links for QRP?
by Jim Cluett <w1pid@yahoo.com>
- 47) [75437] Fox ASSumptions
by "Brian" <brian@iquiest.net>
- 48) [75438] FOX: Start Time is 0100Z
by "Marshall Emm" <mgemm@ntechnologies.com>
- 49) [75439] GAP Titan Schematic
by ARDUJENSKI@aol.com
- 50) [75440] This has got to be the worst solar cycle!
by Jeff <fantbb@yahoo.com>
- 51) [75441] RE: This has got to be the worst solar cycle!
by "Ed Tanton" <n4xy@att.net>
- 52) [75442] Re: [Elecraft] PICS
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
- 53) [75443] Re: This has got to be the worst solar cycle!
by Paul Womble <pwomble1@tampabay.rr.com>
- 54) [75444] PICS
by Charles K Brown <n4so@juno.com>
- 55) [75445] Re: This has got to be the worst solar cycle!
by "J. Ervin Bates" <w8erv@email.msn.com>
- 56) [75446] solar cycle
by ac5ez@webtv.net (K1zw)
- 57) [75447] Beam antenna on a cordless phone - a tech question
by Jim Hale <kj5tf@yahoo.com>
- 58) [75448] Re: Kent touch paddles
by Tim Soxman <tims@hhs.net>
- 59) [75449] K2 is Gone
by "Jay Bromley" <w5jay@alltel.net>
- 60) [75450] I'm back
by "Paul Harden, NA5N" <na5n@rt66.com>
- 61) [75451] [sfox] FOX CORRECTION: AE2T Today 7/21 0100UTC
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 62) [75452] Re: 14060 QRM
by zmola@campbellsci.com
- 63) [75453] Re: PICS
by "laura halliday" <marsgal42@hotmail.com>
- 64) [75454] Wattmeters
by Joe Mikuckis <k3chp@erols.com>
- 65) [75455] Summer Fox Hunt #1 - K0EVZ -
by Bruce Rattray <rattray@gpfn.sk.ca>
- 66) [75456] Re: PICS
by "Mike Yetsko" <myetsko@insydesw.com>

- 67) [75457] SMK1 kit
by Shawn Upton <kb1cktt@yahoo.com>
- 68) [75458] Re: Wattmeters
by "Franco, Nicholas J" <franco@bnl.gov>
- 69) [75459] RE: Need December 66 QST Article
by "Hare, Ed, W1RFI" <w1rfi@arrl.org>
- 70) [75460] Summer Fox Hunt #2 - AE2T -
by Bruce Rattray <rattray@gpfn.sk.ca>
- 71) [75461] Problem with SW40+
by "Terry Bassett" <mutabut@net66.com>
- 72) [75462] Re: Backpacker Rig Question
by Bruce Grubbs <n7ceeqr@earthlink.net>
- 73) [75463] Bumblebee operation
by Bruce Grubbs <n7ceeqr@earthlink.net>
- 74) [75464] W9WIS's at a dam good site this wknd
by Michael Melland <badger@vbe.com>
- 75) [75465] Beam antenna on a cordless phone - more stuff
by Jim Hale <kj5tf@yahoo.com>
- 76) [75466] How to use Solar Panels
by "Carel Mulder, PA0CMU" <cmulder@casema.net>
- 77) [75467] Re: Remote controlled balanced tuner
by Charles Kadesch <w3kc@starpower.net>
- 78) [75468] Website for portable antenna?
by Goran Hosinsky <hosinsky@jet.es>
- 79) [75469] Sea side radio after effects & the joy of Humiseal
by nilsbull@juno.com
- 80) [75470] Re: PICS
by "Brad Hernlem" <alihernlem@hotmail.com>
- 81) [75471] Re: Solar Power Resources/links for QRP?
by WB3LGC@aol.com
- 82) [75472] Re: painting aluminum
by Arjen Raateland <Arjen.Raateland@vyh.fi>
- 83) [75473] Re: painting aluminum (getting OT)
by "Brad Hernlem" <alihernlem@hotmail.com>
- 84) [75474] Re: This has got to be the worst solar cycle!
by "Steven Weber" <kd1jv@moose.ncia.net>

Date: Wed, 19 Jul 2000 19:23:17 EDT
From: K2UD@aol.com
To: bowerm@ix.netcom.com
Cc: qrp-l@lehigh.edu
Subject: [75391] Re: painting aluminum
Message-ID: <7d.7da2c9a.26a79265@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

A trick used by Doug DeMaw, W1FB (SK) is to immerse aluminum in common household lye. This serves to etch the surface of the aluminum to a nice finish. This is preceded by lightly sanding the surfaces in one direction, giving it a nice grain.

My question is, where does one get "common household lye?" I've never seen the stuff before, but understand it is used in concentrated amounts in some other products.

72

Howard Kraus, K2UD

Date: Wed, 19 Jul 2000 19:42:12 -0400
From: "Ed Tanton" <n4xy@att.net>
To: <K2UD@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [75392] RE: painting aluminum
Message-ID: <CKEGICNFDIMCEKEDCEHFEEKDDEAA.n4xy@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

Grocery Store cleaning supplies or hardware store shelves should contain it... or they used to anyway. Famous brand was: "Red Devil".

73 Ed Tanton <n4xy@arrl.net>

website: <http://www.qsl.net/n4xy/>

> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of
> K2UD@aol.com
> Sent: Wednesday, July 19, 2000 7:23 PM
> To: Low Power Amateur Radio Discussion
> Subject: Re: painting aluminum
>
>
> A trick used by Doug DeMaw, W1FB (SK) is to immerse aluminum in common
> household lye. This serves to etch the surface of the aluminum to a nice
> finish. This is preceded by lightly sanding the surfaces in one
> direction,
> giving it a nice grain.
>
> My question is, where does one get "common household lye?" I've

> never seen
> the stuff before, but understand it is used in concentrated
> amounts in some
> other products.
>
> 72
>
> Howard Kraus, K2UD
>

Date: Wed, 19 Jul 2000 19:47:49 -0400
From: "Ron Polityka" <wb3aal@talon.net>
To: ". QRP-L" <qrp-l@Lehigh.EDU>
Subject: [75393] BB Contest
Message-ID: <012f01bff1db\$c01078a0\$cde508cf@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Good Luck to all in the upcoming Bumblebee Contest!

72 & 73
Good DXing

Ron Polityka
de WB3AAL
wb3aal@talon.net

vvv Eastern Pennsylvania QRP Web Page vvv
 <http://www.n3epa.org>
Eastern Pennsylvania QRP Club Call
N3EPA E-mail address: n3epa@talon.net

EPA QRP #1	NJ QRP #179
KL7 QRP # 309	G-QRP # 3031
ARCI QRP # 5318	10 - X #13173
NorCal	Zombie #625
ARS # 380	HI QRP #153
VA QRP Society #45	MI QRP #1703
K2 sn1392	Bumblebee #6

Date: Wed, 19 Jul 2000 19:42:48 -0400
From: tailfeathers@juno.com
To: K2UD@aol.com
Cc: qrp-1@Lehigh.EDU
Subject: [75394] Re: painting aluminum
Message-ID: <20000719.194527.-4116305.0.tailfeathers@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

On Wed, 19 Jul 2000 19:23:17 EDT K2UD@aol.com writes:
> A trick used by Doug DeMaw, W1FB (SK) is to immerse aluminum in
> common household lye. This serves to etch the surface of the aluminum
to a nice finish.

I bought something for my truck once that was bright aluminum and the manufacturer had instructions with it that if you would want to paint it just soak it in Tide detergent.

Gary
n8gsj

YOU'RE PAYING TOO MUCH FOR THE INTERNET!
Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Wed, 19 Jul 2000 20:08:18 EDT
From: WW30@cs.com
To: qrp-1@lehigh.edu
Subject: [75395] Possible source of Noise on 14.060 MHz.
Message-ID: <9c.5abbbf2d.26a79cf2@cs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi guys. Your local cable TV company may be the source. They are now offering such things as Internet, Pay movies and other services that use the frequencies from 5 to 42 MHz in the return path of the cable. That spectrum is all digital data so that is what may be leaking from the line. Give the local cable provider a call and ask if they are active with data in this frequency range. They would be very interested to hear that YOU are hearing their data since it indicates a leak and possible interference to their Internet customer services. Just ask to speak to the Chief Tech or Regional

Engineer. There's a good chance that he/she may also be a Ham!

Pete Carr WW30

State College, PA

Date: Wed, 19 Jul 2000 17:37:30 -0700 (PDT)
From: ABCQRP <w6abc@yahoo.com>
To: K2UD@aol.com, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [75396] Re: painting aluminum
Message-ID: <20000720003730.17513.qmail@web2106.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I wonder if plain old TSP would do it? Might do as well as Tide, or better. TSP's readily available at hardware stores.

Jack W6ABC

Do You Yahoo!?
Get Yahoo! Mail Free email you can access from anywhere!
<http://mail.yahoo.com/>

Date: Wed, 19 Jul 2000 21:52:07 -0400
From: Richard Voss <rbvoss@gsinet.net>
To: K2UD@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [75397] Re: painting aluminum
Message-ID: <39765B47.BBE97E@gsinet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

K2UD@aol.com wrote:

>
> A trick used by Doug DeMaw, W1FB (SK) is to immerse aluminum in common
> household lye.

I just built a WM2 wattmeter and used Red Devil lye, as Ed mentioned, to clean the chassis before applying the labels -- got it in a grocery store. I decided on this after searching the Web for hours looking for aluminum cleaning solutions. I used about 6 tablespoons per gallon of

water, but I think that was too much.

Some cautions:

- use a plastic container for the solution
- do it outside and don't breathe the fumes
- keep your hands out of the stuff
- don't use it as an eye wash

My daughter suggested Alconox (<http://www.alconox.com>) which she uses for cleaning lab equipment. They carry an aluminum cleaner, too, but that looked a little fancy for QRP work. Probably safer, though.

Richard, K1WX
Chester, NH
FN42

Date: Wed, 19 Jul 2000 22:10:07 -0400
From: "C. J. Ludinsky" <cjl@mitre.org>
To: qrp-l@lehigh.edu, neqrp@jona1.net
Subject: [75398] NEQRP/WQ1RP CW net - 20 July 00, 9:00PM EDT (0100Z, 21JUL00), 3.561MHZ
Message-ID: <39765F7F.3FA46DC0@mitre.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

This Thursday's NEQRP Club CW net meets again at 9:00 PM EDT (0100Z, 21 July) -- this time on or around 3.561 MHz. Conditions on 80M have been quite good the last few nights, and we're hoping they continue through Thursday night. John, WB1HBE, will be the net op for this session. So, avoid the pack hunting the fox right at 0100Z, come join us on 80M, then try a somewhat more leisurely fox hunt after the WQ1RP net.

Conditions on 40 meters last week were quite reasonable, with ten folks showing up to say hello to Joel, K1QM, our net op, and to each other. Joel did his usual FB job. Checking in were:

K1QM	Joel	Concord, MA
K1CWZ	Spi	Nashua, NH
W1PID	Jim	Sanbornton, NH
K1CL	Chuck	Chelmsford, MA
WB1HBE	John	Chelmsford, MA
N4QA	Bill	Radford, VA
KD1JV	Steve "melt solder"	Randolph, NH
K9UT	Gary?	Richmond, IN
WA2NCF	Howie	Poughkeepsie, NY

Again, please let us know if there are any errors in the list.

Thanks to all and
72 DE K1CL,
Chuck.

Date: Wed, 19 Jul 2000 22:27:02 EDT
From: NB6M@aol.com
To: K2UD@aol.com
Cc: qrp-1@lehigh.edu
Subject: [75399] Re: painting aluminum
Message-ID: <c5.788b012.26a7bd76@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Another solution (hi),

Is to use a product called Alumaprep, which is sold in boat stores, for prepping aluminum masts, etc, before priming with zinc chromate paint.

72

Wayne NB6M

Date: Wed, 19 Jul 2000 20:56:46 -0600
From: Larry East <wlhue@amsat.org>
To: qrp-1@lehigh.edu
Subject: [75400] How do some people stay in business?
Message-ID: <3.0.5.32.20000719205646.00920280@mail.ida.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Around the end of June (6/28, to be exact) I decided to replenish my supply of odd-sized toroid cores. I went to Amidon's web site to look up some info, happened to find an on-line order form, filled it in for the items I needed and pressed the "Submit" button. Hmmmm... didn't ask me for a credit card number. Oh well, a phone number was requested, so maybe they'll call me for a credit card number. Next morning (6/29) I received an email telling me that if I wanted to place an order, I'd have to do it by phone. (So what's the object of having an on-line order form??) Called the 800 number; order taking person was busy, so I left voice mail with my number.

Call not returned by the end of the day (still no call as of today, 7/19).

Went to Bytemark's web page (Amidon dealer for amateur radio products) that evening (6/29), found an on-line order form and filled it in. This time I was asked for a credit card number. Looks promising. Order accepted, and a note appeared saying that the order and shipping date would be confirmed by email. July 6, no confirmation received. Sent an email to "sales@bytemark.com" asking if my order had been received. No response by July 13.

Looked up Micrometals' web page on (the outfit that actually makes the toroids sold by Amidon) on 6/13 and discovered that "evaluation samples" could be requested. Entered a request for the few toroids that I needed and a couple of catalogs. Sent another email to Bytemark telling them to forget it. This morning (6/19) I received the catalogs and all but one of the "free evaluation" toroids that I had requested (the one missing was "out of stock").

Finally got an email from Bytemark this afternoon saying that they couldn't find an order from me (took them almost two weeks to figure that out!?) and would I please call or email them my order. Sent them an email saying I'd obtained the items elsewhere.

Sheeshh... good thing the toroids weren't needed for a rush job!

Sure glad my favorite QRP Kit Maker doesn't operate like that. :-)

73, Larry W1HUE/7

Date: Wed, 19 Jul 2000 23:00:24 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: <w1hue@amsat.org>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [75401] Re: How do some people stay in business?
Message-ID: <000e01bff1f6\$a7831de0\$010044c0@Conor.baycty1.mi.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

www.radioshack.com has toroids, takes online orders that work, and deliver in a reasonable time. Their prices are a little steep for powdered iron (compared to Dan's, not to Amidon), but pretty good for ferrites.

72/73 de WB8RCR <http://members.home.com/wb8rcr/index.htm>
didileydadidah QRP-L #1446 Code Warriors #35

Date: Wed, 19 Jul 2000 23:16:49 -0400
From: "w8diz" <w8diz@cinci.rr.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [75402] Re: How do some people stay in business?
Message-ID: <004a01bff1f8\$f1912d30\$1461a518@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

If anyone needs ferites in the FT37-43 variety, there is a great deal at NEWARK...

For \$31.22 you get 500 pieces of a ferrites that have about twice the permeability as a regular FT37-43. It's just a bit thicker, so that the inductance of a winding is about twice that of a regular type 43 "roid". WORK GREAT

Newark Part Number: 95F772
Manufacturer Part Number: 2643002402
Manufacturer Name: FAIR-RITE
Description: EMI SHIELD BEADS
Quantity Units: PK500
Unit-Price: \$31.22
<http://www.newark.com>

This info was provided to me from Harold, KE6TI.

73 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39.218N - 84.305W
FPqrp-1 SOC-8 DLQRPAG-1454 ARCI-10226 QRPL-1998 10X-9389 CATT-26 K2-493
<http://home.cinci.rr.com/w8diz> [AOL-IM "w8diz"]

----- Original Message -----

From: "Larry East" <wlhue@amsat.org>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, July 19, 2000 10:56 PM
Subject: How do some people stay in business?

> Around the end of June (6/28, to be exact) I decided to replenish my supply

> of odd-sized toroid cores. I went to Amidon's web site to look up some
> info, happened to find an on-line order form, filled it in for the items I
> needed and pressed the "Submit" button. Hmmm... didn't ask me for a
credit
> card number. Oh well, a phone number was requested, so maybe they'll call
> me for a credit card number. Next morning (6/29) I received an email
> telling me that if I wanted to place an order, I'd have to do it by phone.
> (So what's the object of having an on-line order form??) Called the 800
> number; order taking person was busy, so I left voice mail with my number.
> Call not returned by the end of the day (still no call as of today, 7/19).
>
> Went to Bytemark's web page (Amidon dealer for amateur radio products)
that
> evening (6/29), found an on-line order form and filled it in. This time I
> was asked for a credit card number. Looks promising. Order accepted, and a
> note appeared saying that the order and shipping date would be confirmed
by
> email. July 6, no confirmation received. Sent an email to
> "sales@bytemark.com" asking if my order had been received. No response by
> July 13.
>
> Looked up Micrometals' web page on (the outfit that actually makes the
> toroids sold by Amidon) on 6/13 and discovered that "evaluation samples"
> could be requested. Entered a request for the few toroids that I needed
and
> a couple of catalogs. Sent another email to Bytemark telling them to
forget
> it. This morning (6/19) I received the catalogs and all but one of the
> "free evaluation" toroids that I had requested (the one missing was "out
of
> stock").
>
> Finally got an email from Bytemark this afternoon saying that they
couldn't
> find an order from me (took them almost two weeks to figure that out!?!)
> and would I please call or email them my order. Sent them an email saying
> I'd obtained the items elsewhere.
>
> Sheeshh... good thing the toroids weren't needed for a rush job!
>
> Sure glad my favorite QRP Kit Maker doesn't operate like that. :-)
>
> 73, Larry W1HUE/7
>

Date: Wed, 19 Jul 2000 23:22:53 EDT
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu
Subject: [75403] Backpacking QRP Extravaganza!
Message-ID: <bf.53a61f5.26a7ca8d@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In my trek thru the web I found this site loaded with info on rig data, battery data, adventures, etc---<http://www.qsl.net/ae5x/backpack.html>
I figure either I am the last to find these good sites or missed the info when passed. Thought I would share the good stuff I found here
73s Alan kb7mbi

Date: Wed, 19 Jul 2000 22:34:52 -0500
From: Stuart Rohre <rohre@arlut.utexas.edu>
To: "qrp-l@lehigh.edu" <qrp-l@lehigh.edu>
Subject: [75404] Ten Tec 1202 Power Meter, I was the original mod author
Message-ID: <3976735A.EB0A404A@arlut.utexas.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Please see QRP ARCI QUARTERLY for October, 1996.

I was the author of the ORIGINAL review of the 1202, and first suggested the power mod to make either range the QRP or QRPP scale. The 1202 uses op amps following a Stockton Power detector for HF, like the detector of the Oak Hills WM-2 unit.

The cal pots are the same for 200 watt scale or the 20 watt scale. With the existing markings, the 20 watt scale, for example, can be set to 2 watts full scale, and 250 mw is easily seen well off the low end.

I did not find any problem seeing a reflected SWR reading. IF you wanted to increase the sensitivity of the pickup, more turns could be placed on the toroid.

The VHF pickup uses the op amp meter amplifier, and it too seemed to work with the modification, (recalibration of the pot) from 20 watt scale to 2 watt.

For \$50 I am willing to interpolate, or use a protractor and scribe some more meter marks on the scale. It is an outstanding value in a kit, and has full size UHF connectors, separate HF and VHF/UHF pickups (usable to 440MHz) and has HEAVY shield double steel case. It can be powered either from internal 9 volt battery or externally from a power supply.

One could add switches to change the scales at will, with a couple resistors. My modified meter has been used for several local Field Days. It is quite rugged. It was checked against various Watt meters at each of those field days and was accurate, thus, it holds a cal setting once you adjust to what you want.

72, Stuart K5KVH
Round Rock TX

Date: Wed, 19 Jul 2000 23:51:20 EDT
From: "Paul Gerhardt" <pgerhardt@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [75405] PSK-31 Software for Mac
Message-ID: <20000720035120.22767.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Barry,

Try going to AC6V.COM and do a search for psk-31 software, look for something called Multimode it has PSK-31 for Mac. Also check out the interface in July CQ to key the rig and connect the audio to the sound card.

I have both an iMac and a PC in my shack. I have used the 2n222 and diode interface on other digital modes on a pc. Does anyone know if this type of interface will work on the iMac? My guess would be that it will work ???

Paul K3PG
Centreville MD

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>

Date: Thu, 20 Jul 2000 02:44:23 -0400
From: "Al Gritzmacher" <ae2t@adelphia.net>
To: qrp-1@Lehigh.EDU
Subject: [75406] FOX: Summer Fox AE2T Today 7/20 2000UTC
Message-ID: <200007200643.CAA185510@nss4.cc.lehigh.edu>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Wow, it snuck up on me, it's already time for my second run as the

Summer FOX!

I'll be on Tomorrow, probably TODAY when you read this,
THURSDAY JULY 20 at 2000 UTC!

Look for me around 14.060 +- QRM. Hope to work everyone!

72,

AL AE2T

Sorry this is late... I sent it from the wrong account and Listserve
kicked it!

Al Gritzmacher ae2t@arrl.net
<http://members.localnet.com/~ae2t/>

Thought for the day:

Book (n): a utensil used to pass time while waiting
for the TV repairman.

Date: Thu, 20 Jul 2000 03:19:45 EDT
From: DYARNES@aol.com
To: w1hue@amsat.org, qrp-1@lehigh.edu
Subject: [75407] Re: How do some people stay in business?
Message-ID: <a1.85212a2.26a80211@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 7/19/00 7:58:35 PM US Mountain Standard Time,
w1hue@amsat.org writes:

<< Sure glad my favorite QRP Kit Maker doesn't operate like that. :-)
>>

In my opinion, this is part of the price we pay for "full employment"! The
people who previously couldn't find a job to save their souls are now
slinging hamburgers, because the people who were slinging hamburgers are now
trying to find your order for toroids! It's not that they aren't good folks,
they just don't have a clue what they are doing!

Yesterday I decided to make my hotel reservation for Pacificon. The reservation clerk stumbled through getting my name (repeated 3 times), my credit card # (repeated I don't know how many times), etc. Then she proudly announced that she was sending me an email to confirm my reservation. Not! Nothing received, so I called back today and reported that no email had been received. A 2nd clerk fumbled around some more, explained how this was a "new option", and said she would try again. Still nothing. Could be the system, could be my email provider, but I think it's probably operator error. It just seems like we go through this kind of thing so much anymore! Oh well, the sun will come up in the morning (but it is going down again very quickly because I have to have a root canal done at 9 a.m.)!

Hasta Luego de Dave W7AQK

Date: Thu, 20 Jul 2000 06:18:04 -0500
From: "Manager QRP-L" <manager@astro.cc.lehigh.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [75408] Re: How do some people stay in business?
Message-ID: <00ba01bff23c\$3a30cee0\$0200000a@mcg.net>

Let's keep it on topic. If a QRP parts vendor is not performing, that's good information to share. Discussions of the general lack of performance of society and service is definitely off topic and not welcome here.

Thanks and 73 de Cla KA0GKC Manager QRP-L

Date: Thu, 20 Jul 2000 07:36:08 -0700
From: bruceshaw@juno.com
To: ae2t@adelphia.net
Cc: qrp-l@Lehigh.EDU
Subject: [75409] Re: FOX: Summer Fox AE2T Today 7/20 2000UTC
Message-ID: <20000720.073609.-265993.0.bruceshaw@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

I am somewhat new to amateur radio and have never done a fox hunt. Could someone clue me in on the procedure?
Sounds fun.
Clueless in NC

Bruce Shaw
kg4dzu

On Thu, 20 Jul 2000 02:44:23 -0400 "Al Gritzmacher" <ae2t@adelphia.net>
writes:

>
> Wow, it snuck up on me, it's already time for my second run as the
> Summer FOX!
>
> I'll be on Tomorrow, probably TODAY when you read this,
> THURSDAY JULY 20 at 2000 UTC!
>
> Look for me around 14.060 +- QRM. Hope to work everyone!
>
> 72,
>
> AL AE2T
>
>
> Sorry this is late... I sent it from the wrong account and Listserve
>
> kicked it!
>
> -----
> Al Gritzmacher ae2t@arrl.net
> <http://members.localnet.com/~ae2t/>
> -----
> Thought for the day:
> Book (n): a utensil used to pass time while waiting
> for the TV repairman.
>

Date: Thu, 20 Jul 2000 08:01:26 -0400
From: "Brian" <brian@iquest.net>
To: <ae2t@adelphia.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [75410] Re: Summer Fox AE2T Today 7/20 2000UTC
Message-ID: <004801bff242\$3b4febc0\$3d05080a@cincom.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Al,

The schedule says 0100 UTC Friday. (9pm EDT)

Did you change it to 2000 UTC Thursday? (4pm EDT)

Thanks

----- Original Message -----

From: Al Gritzmacher <ae2t@adelphia.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Thursday, July 20, 2000 2:44 AM
Subject: FOX: Summer Fox AE2T Today 7/20 2000UTC

>
> Wow, it snuck up on me, it's already time for my second run as the
> Summer FOX!
>
> I'll be on Tomorrow, probably TODAY when you read this,
> THURSDAY JULY 20 at 2000 UTC!
>
> Look for me around 14.060 +- QRM. Hope to work everyone!
>
> 72,
>
> AL AE2T
>
>
> Sorry this is late... I sent it from the wrong account and Listserve
> kicked it!
>
> -----
> Al Gritzmacher ae2t@arrl.net
> <http://members.localnet.com/~ae2t/>
> -----
> Thought for the day:
> Book (n): a utensil used to pass time while waiting
> for the TV repairman.
>
>

Date: Thu, 20 Jul 2000 08:05:25 EDT
From: n5ib@juno.com
To: n4so@juno.com, qrp-1@Lehigh.edu
Subject: [75411] HTX-10 CW mods
Message-ID: <20000720.070351.4663.0.N5IB@juno.com>

On Wed, 19 Jul 2000 20:08:21 -0500 <n4so@juno.com> writes:

>Do you have the mods for the Radio Shack HTX-10
>in a text file that we can share with qrp-l?
>This is a frequently asked question and understand
>it was written up in QRP Quarterly.

Since the cw adapter is not a "mod" in the strict sense, in that no internal or external changes to the radio are required, the schematic is the pertinent info needed to reproduce it. I don't think a text description would help.

The full text of my QRP-Q article was posted on the QRP-ARCI web pages under the "technical/projects" area as a .pdf file. A few folks have said that the schematic doesn't print too clearly from the .pdf version. A .gif file of the schematic can be found (along with photos) on my web page at <<http://www.qsl.net/n5ib>>

There is at least one list member working on one, including perhaps laying out a board. He may also be developing some improvements to it that might eliminate the need for a relay. I'm sure he'll share his results.

72

Jim N5IB

Date: Thu, 20 Jul 2000 08:07:10 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:bruceshaw@juno.com" <bruceshaw@juno.com>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group <QRP-L@Lehigh.edu>
Subject: [75412] Re: FOX: Summer Fox AE2T Today 7/20 2000UTC
Message-ID: <200007200807_MC2-ACF1-B64E@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
charset=ISO-8859-1
Content-Disposition: inline

Bruce:

Well the first thing is to check out the Summer FOX website at <http://www.cqc.org/sfox>. There you will find everything you need to know= including skeds, rules, prizes, results and FOX bios.

Then, you simply get on the air during the FOX hunt.....turn your power down to 5 watts or less output....and try to work the FOX scheduled for that date. IE, the desinated FOX will be somewhere close to 14060 at the=

established time, trying to work as many hunters as possible. It can be = a mad scramble, but lots of fun.

Hope this helps :-).

72/73,

--W.D. (Doc) Lindsey

DSBF

PO Box 6028

Bismarck, ND 58506

(Shipping =3D DSBF, 2020 Lovett Ave, Bismarck, ND, 58504)

E-Mail =3D K0EVZ@arrl.net

Date: Thu, 20 Jul 2000 08:30:20 -0400

From: "steve" <sblary@bellsouth.net>

To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>

Subject: [75413] adjusting cubic (swan) astro 150 for qrp operation

Message-ID: <000701bff246\$451d8be0\$7464a8c0@AREA51>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

An non-ham friend gave me this 100w rig that he picked up at an estate sale. Receives fine but I don't have a power supply big enough to power it. If anyone has experience with this rig and can help me adjust the output power to a qrp level I would appreciate the help. A point in the right direction to look else where for the information would also be appreciated!

73's

Steve, KD4LIV

I'll be listening for the fox but not shooting tonight!

Date: Thu, 20 Jul 2000 08:41:55 -0400

From: Michael Ostrowski <mostrowski@CreativeSolutions.com>

To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [75414] RE: painting aluminum

Message-ID: <C17F1AF032ECD21180C100A024BB8E2E0287EF38@bruiser.creativesol.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Lye is the main ingredient of most oven cleaners.
Labels always warn about damage to aluminum...

73,
Mike

Michael Ostrowski - KI8IK
Saline, MI

KI8IK@arrl.net

ARCI QRP #10255 MI QRP #1693
QRP-L #2170 NorCal
FISTS #3311

-----Original Message-----
From: K2UD@aol.com [mailto:K2UD@aol.com]
Sent: Wednesday, July 19, 2000 7:23 PM
To: Low Power Amateur Radio Discussion
Subject: Re: painting aluminum

A trick used by Doug DeMaw, W1FB (SK) is to immerse aluminum in common household lye. This serves to etch the surface of the aluminum to a nice finish. This is preceded by lightly sanding the surfaces in one direction, giving it a nice grain.

My question is, where does one get "common household lye?" I've never seen the stuff before, but understand it is used in concentrated amounts in some other products.

72

Howard Kraus, K2UD

Date: Wed, 19 Jul 2000 17:55:24 -0700
From: Charles Kadesch <w3kc@starpower.net>
To: hosinsky@royac.iac.es

Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [75415] Re: Remote controlled balanced tuner
Message-ID: <39764DFC.D25B3CD7@starpower.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Goran: I use the "Super T" configuration (see SPRAT) with appropriate latching relays shorting the toroidal inductors and selecting the shunt capacitance. As you suggest, I use an input balun. Works very well here- I can match an 88 ft CF Zepp on all bands.

Also, I built a larger Super T using a pair of SKIL gear driven electric (DC) wrenches to drive a roller inductor and the shunt capacitor (rotary in this case)- this allows very precise tuning.

72

Chas W3KC

Goran Hosinsky wrote:

> Hi,
>
> I would like to make a remotely switched balanced
> tuner. I think a one-coil Z-match like the ZM2 with
> two-pole relays to switch in more or less C would do
> the job (using a loop on 5 bands).
>
> An alternative could be a L-match with a 1:1 balun
> on the input.
>
> Any experience or ideas?
>
> 73
> Goran ea8yu Isla de La Palma
> Canary Islands.
> Politically: Spain geographically: Africa

Date: Thu, 20 Jul 2000 08:12:43 -0500
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
To: "'K2UD@aol.com'" <K2UD@aol.com>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [75416] RE: painting aluminum
Message-ID:
<4734702CFA3CD411A74A00805F57A3B703E3F339@dfwex01.allegiancetelecom.com>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"

Try your local hardware store. "Drano", the product used to (allegedly) un-stop clogged sink drains will also work, but not as quickly -- you have to leave the aluminum in the solution longer.

Use rubber gloves on your hands, or wooden tongs to handle the metal that you've placed in the etching solution!

Karl K - W8TIF
McKinney, Texas

-----Original Message-----

From: K2UD@aol.com [SMTP:K2UD@aol.com]
Sent: Wednesday, July 19, 2000 6:23 PM
To: Low Power Amateur Radio Discussion
Subject: Re: painting aluminum

A trick used by Doug DeMaw, W1FB (SK) is to immerse aluminum in common household lye. This serves to etch the surface of the aluminum to a nice finish. This is preceded by lightly sanding the surfaces in one direction, giving it a nice grain.

My question is, where does one get "common household lye?" I've never seen the stuff before, but understand it is used in concentrated amounts in some other products.

72

Howard Kraus, K2UD

Date: Thu, 20 Jul 2000 09:29:12 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: w1hue@amsat.org
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [75417] Re: How do some people stay in business?
Message-ID: <3976FEA8.5EAD@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Larry, and gang,

This is not intended to be an apology for vendors and their business practices. However, a few things you might want to consider. First any

company who takes orders over the internet has to face the problem of security. I do quite a lot of business over the internet but will not do any business with anybody who does not have a secure server to take orders! This alone raises the vendor's cost of doing business, but it also protects your credit card information.

I have done business with Bytemark, and also with Tech America via the internet. I have found their services to be adequate. Often we come to expect certain things in internet business. instant response and follow up emails. They are rarer than we know, I recently (about 14 days) ago ordered a cable from an internet vendor. I got a phone call yesterday appologizing for not shipping the cable sooner, it seems that their shipping person thought I lived in Texas!

Relax, and in the end use snail mail! If you are qualified to get engineering samples by all means do so but return the favor by putting a plug for the items on the internet!

73

Date: Thu, 20 Jul 2000 09:35:41 -0400
From: Michael Ostrowski <mostrowski@CreativeSolutions.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [75418] RE: How do some people stay in business?
Message-ID: <C17F1AF032ECD21180C100A024BB8E2E0287F0DD@bruiser.creativesol.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I tried ordering toroids from ByteMark late last year and had the same problem. When I called Amidon direct they took my order and had it to me within a few days. I told Amidon about my problem at ByteMark and their response was "All new orders for Amidon products are being filled directly through Amidon. Amidon has taken over all order processing from ByteMark due to poor customer service".

Sorry to hear they still don't have this straightened out...

72,
Mike

Michael Ostrowski - KI8IK
Saline, MI

KI8IK@arrl.net

ARCI QRP #10255 MI QRP #1693
QRP-L #2170 NorCal
FISTS #3311

-----Original Message-----

From: Larry East [mailto:w1hue@amsat.org]
Sent: Wednesday, July 19, 2000 10:57 PM
To: Low Power Amateur Radio Discussion
Subject: How do some people stay in business?

Around the end of June (6/28, to be exact) I decided to replenish my supply of odd-sized toroid cores. I went to Amidon's web site to look up some info, happened to find an on-line order form, filled it in for the items I needed and pressed the "Submit" button. Hmmm... didn't ask me for a credit card number. Oh well, a phone number was requested, so maybe they'll call me for a credit card number. Next morning (6/29) I received an email telling me that if I wanted to place an order, I'd have to do it by phone. (So what's the object of having an on-line order form??) Called the 800 number; order taking person was busy, so I left voice mail with my number. Call not returned by the end of the day (still no call as of today, 7/19).

Went to Bytemark's web page (Amidon dealer for amateur radio products) that evening (6/29), found an on-line order form and filled it in. This time I was asked for a credit card number. Looks promising. Order accepted, and a note appeared saying that the order and shipping date would be confirmed by email. July 6, no confirmation received. Sent an email to "sales@bytemark.com" asking if my order had been received. No response by July 13.

Looked up Micrometals' web page on (the outfit that actually makes the toroids sold by Amidon) on 6/13 and discovered that "evaluation samples" could be requested. Entered a request for the few toroids that I needed and a couple of catalogs. Sent another email to Bytemark telling them to forget it. This morning (6/19) I received the catalogs and all but one of the "free evaluation" toroids that I had requested (the one missing was "out of stock").

Finally got an email from Bytemark this afternoon saying that they couldn't find an order from me (took them almost two weeks to figure that out!?) and would I please call or email them my order. Sent them an email saying I'd obtained the items elsewhere.

Sheeshh... good thing the toroids weren't needed for a rush job!

Sure glad my favorite QRP Kit Maker doesn't operate like that. :-)

73, Larry W1HUE/7

Date: Thu, 20 Jul 2000 09:38:13 -0400
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [75419] Re: How do some people stay in business?
Message-ID: <004001bff24f\$c3bf5e20\$2d0a05cc@rochester.com>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

> This is not intended to be an apology for vendors and their business
> practices. However, a few things you might want to consider. First any
> company who takes orders over the internet has to face the problem of
> security. I do quite a lot of business over the internet but will not
> do any business with anybody who does not have a secure server to take
> orders! This alone raises the vendor's cost of doing business, but it
> also protects your credit card information.

Bruce,

Well spoken. I might add another bit of data: the so-called "online tracking" services offered by some companies may or may not be timely. I've had packages shipped to me from California that the online system claimed were still in the shipper's regional hub, but that were in fact at my home already.

I don't think that apologies are necessary (unless a vendor really dropped the ball), but people do need to have realistic expectations of how things work.

Dave

Date: Thu, 20 Jul 2000 06:53:08 -0700
From: "Dan Hogan" <dhhogan@nav.cnchost.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [75420] RE: painting aluminum
Message-ID: <3976A1D4.27863.3329A9@localhost>

Guys:

For painting homebrew enclosures there is no need to etch the aluminum. "Etching Primer" is applied to aircraft to ensure a good bond of the two part polyurethane paint because of the huge area of paint and the large rapid changes in temperature that the aircraft body experiences.

Using a properly cleaned enclosure, Zink Chromate primer OR any automobile primer and lacquer paint is more than adequate.

Check out <http://www.qsl.net/k7qo/> read the Manhattan-Style Homebrewing article.

Dan Hogan WA6PBY
dhhogan@nav.cnchost.com
QRParci #3847

Date: Thu, 20 Jul 2000 06:51:54 -0700
From: "NA6E" <na6e@qsl.net>
To: <fpqrp@egroups.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [75421] Kent touch paddles
Message-ID: <LPBBKMHGKJHAFCHLDJBAAEHICNAA.na6e@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'm putting a Kent paddle kit together and the paddles are "touch" paddles made from pc board. My question is whether I can paint them or not. They are shaped like the real kent paddles and I thought it would look cool to have them painted. Can I just tape off the copper part and paint the rest or will that effect the operation? This is a great little kit. It has the bakelite base to use and a built in keyer. Ideas?

72,
Mary, NA6E

Date: Thu, 20 Jul 2000 09:49:47 -0400
From: "AI2Q Alex" <ai2q@ispchannel.com>
To: <w3kc@starpower.net>
Cc: "QRP-L (E-mail)" <qrp-1@Lehigh.EDU>
Subject: [75422] RE: Remote controlled balanced tuner
Message-ID: <000d01bff251\$5ed73c60\$5c32a7d0@ispchannel.com>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Chas, your note is really interesting. Did you use the dc wrench motors in a closed-loop configuration, as in a servo loop? Care to tell us more?

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Charles Kadesch
Sent: Wednesday, July 19, 2000 8:55 PM
To: Low Power Amateur Radio Discussion
Subject: Re: Remote controlled balanced tuner

Goran: I use the "Super T" configuration (see SPRAT) with appropriate latching relays shorting the toroidal inductors and selecting the shunt capacitance. As you suggest, I use an input balun. Works very well here- I can match an 88 ft CF Zepp on all bands.

Also, I built a larger Super T using a pair of SKIL gear driven electric (DC) wrenches to drive a roller inductor and the shunt capacitor (rotary in this case)- this allows very precise tuning.

72

Chas W3KC

Goran Hosinsky wrote:

> Hi,
>
> I would like to make a remotely switched balanced
> tuner. I think a one-coil Z-match like the ZM2 with
> two-pole relays to switch in more or less C would do
> the job (using a loop on 5 bands).
>
> An alternative could be a L-match with a 1:1 balun
> on the input.
>
> Any experience or ideas?
>
> 73
> Goran ea8yu Isla de La Palma
> Canary Islands.
> Politically: Spain geographically: Africa

Date: Thu, 20 Jul 2000 10:02:35 -0400
From: "Joe Trombino" <w2kj@earthlink.net>
To: <QRP-L@LEHIGH.EDU>
Subject: [75423] Want to go "Retro"
Message-ID: <003501bff253\$28c88320\$6f52fc9e@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Fellow QRP'ers:

Have been thinking of going "retro" using a regen receiver and homebrew transmitter. Anybody out there have an old Heathkit GR-81 regenerative receiver that is collecting dust and not in use?? If so, I would like to buy it and help you get rid of your shack "clutter":-)

Does not have to be "minty" or "spotless" (of course I won't turn down a beauty:-)...just needs to be in working order. Any of these rigs still out there???

73, Joe W2KJ (North Carolina)
I QRP, therefore I am

Date: Thu, 20 Jul 2000 10:10:53 -0400 (EDT)
From: mulveyr@iname.com
To: w6toy@erols.com
Cc: qrp-l@lehigh.edu
Subject: [75424] Re: How do some people stay in business?
Message-ID: <200007201410.KAA24025@mulvey.dyndns.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

> Larry, and gang,
>
> This is not intended to be an apology for vendors and their business
> practices. However, a few things you might want to consider. First any
> company who takes orders over the internet has to face the problem of
> security. I do quite a lot of business over the internet but will not
> do any business with anybody who does not have a secure server to take
> orders! This alone raises the vendor's cost of doing business, but it
> also protects your credit card information.
>

The statement that SSL servers protect your credit-card information is completely and utterly false. The *major* - and, by far, most common - security lapses in Internet transactions have *nothing* to do with SSL secured servers. The problems come from poorly-written applications, companies that store credit-card data directly on their web servers, and so on. SSL does absolutely nothing to resolve these issues. To a large extent, there is more danger in using credit-card transactions over the phone, since you're dealing with a larger number of people who see your credit-card information, as opposed to completely automated transactions in which your CC number is never revealed to another human. On the other hand, I've use SSL "secure" servers in which I can get shell access on the web server merely by typing `/bin/sh` in any dialog box.

One thing I've found when mentoring new web developers is that they tend to rely on the "security" built into web servers, while ignoring the fact that they can compromise that security with almost every CGI script or ASP page that they write.

The major reason that Internet security lapses have received so much press is that the companies that screw up reveal tens of thousands of credit card numbers at a shot, instead of just a couple.

Just for comparison - back in 1990, I was working for a company that needed automatic credit-card validations as part of an income-tax preparation service. I was chatting with one of their credit people, who said that in the previous year, they had dealt with nearly 3/4 of a *billion* dollars in fraud. One bank - pre Internet, 10 years ago. We haven't had problems like that on the Internet yet, even from events like the CDUniverse fiasco.

So, I have absolutely no problems dealing with companies that don't use secured servers. The margin of fraud that SSL can protect from is so insignificant as to be essentially non-existent.

- Rich

Date: Thu, 20 Jul 2000 10:24:45 EDT
From: NB6M@aol.com
To: na6e@qsl.net
Cc: qrp-1@lehigh.edu
Subject: [75425] Re: Kent touch paddles
Message-ID: <d9.719b8f6.26a865ad@aol.com>
MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Mary,

If the Kent kit relies on electronic switching activated by your touch on the paddles, you probably will need to leave the copper foil bare in the area where your fingers normally touch them.

I have a touch paddle, and found that if I turned the sensitivity up very high (which you might need to do if you painted the actual "touch" part of the paddle), I got erratic keying. Yours may be different, but that is my experience with the one I have.

I also found that if I was in a "normal" house environment, with quite a bit of electromagnetic current going through the air, that I could have the sensitivity turned down rather low, and only had to touch the paddle lightly to get proper keying, because of the voltages present on my skin. (hold onto your scope probe and take a look)

When I tried using the "touch" paddle in a pristine environment (camping in remote spots, or on my boat in the Sea of Cortez) I had to turn the sensitivity up quite high, and had to hold onto the paddle with the non-keying hand and hit the paddle with a much firmer touch in order to achieve proper keying. (no voltage present on my skin in pristine environments)

72

Wayne NB6M

Date: Thu, 20 Jul 2000 10:27:21 EDT
From: NB6M@aol.com
To: na6e@qsl.net
Cc: qrp-1@lehigh.edu
Subject: [75426] Re: Kent touch paddles
Message-ID: <70.14d5177.26a86649@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Forgot to say that you could paint everywhere except where your fingers need to touch the "switch pad" part of the paddle, as long as you don't use metallic paint, hi.

72

Wayne NB6M

Date: Thu, 20 Jul 2000 10:49:58 -0400
From: Greg Weinfurtner <weinfurt@oak.cats.ohiou.edu>
To: qrp-l@Lehigh.EDU
Subject: [75427] 6 meter xvtr/Solder pad cutter
Message-ID: <v03110701b59bacdf1da9@[132.235.81.133]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi all,

I've been working on a 6 meter to 10 meter transverter for the past year or so and I've made a few pictures. Schematic will follow some day...

<http://www.qsl.net/ns80/6mtr.htm>

Also there is a few pictures of a drill bit modification that I used to cut the solder pads for this little project. Very easy and cheeeep. Might be useful to someone...

73 de NS80

Date: Thu, 20 Jul 2000 11:06:10 -0400
From: Greg Weinfurtner <weinfurt@oak.cats.ohiou.edu>
To: qrp-l@Lehigh.EDU
Subject: [75428] Re: 6 meter xvtr/Solder pad cutter
Message-ID: <v03110706b59cc5a606dd@[132.235.81.133]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Hi all,

> I've been working on a 6 meter to 10 meter transverter for the past
>year or so and I've made a few pictures. Schematic will follow some day...
>

Actually, make that a "10 meter to 6 meter" converter! You all knew what I meant, didn't you?!

NS80

Date: Thu, 20 Jul 2000 10:07:42 -0500
From: "Manager QRP-L" <manager@astro.cc.lehigh.edu>
To: <mulveyr@iname.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [75429] Re: How do some people stay in business?
Message-ID: <017501bff25c\$a3cd0a60\$0200000a@mcg.net>

OK, this thread is closed, over, done. Ended. It is no longer QRP related. There will be no more posts on Internet Business and how it works this is NOT the forum for it. From now on if you have a problem with a vendor, vent your frustration in private email to where it will count, the vendor, not here. These types of posts always seem to evolve into off topic discussions.

Cla KA0GKC Manager QRP-L

Date: Thu, 20 Jul 2000 09:13:16 -0600
From: "Rod, N0RC" <n0rc@qsl.net>
To: "qrp-l" <qrp-l@Lehigh.EDU>, <elecrafft@ns3.qth.net>
Subject: [75430] New supplier
Message-ID: <02b601bff25d\$0ad6e8c0\$688611d8@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks:

At our local Hamfest a company named Frontier Engineering displayed their wares.

They are a distributor of Maplin (British) products. What caught my eye was the wide range of enclosures they carry. Many items I've not seen at the traditional suppliers, R/S, Mouser...etc.

Wide variety, good prices, very nice people. Please check out their online catalogue at <http://www.freng.com/>. Hopefully the homebrewers can swing a little business their way to help keep them in business.

Frontier also has OEM services, so all you kit suppliers might find this firm interesting as an alternative source of supply for standard and custom products.

72/3 Rod, N0RC -- Fort Collins, CO

Date: Thu, 20 Jul 2000 09:48:33 -0600
From: "Rod, N0RC" <n0rc@qsl.net>
To: "qrp-1" <qrp-1@Lehigh.EDU>
Subject: [75431] FOX & PROP
Message-ID: <02fb01bff261\$f8e57500\$688611d8@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Things could be interesting tonight. There have been several M class flares the past 48 hours or so. And a possible CME that is due around "OH-FOX-HUNDRED", major geomagnetic storming is a possibility later today. From: <http://www.sec.noaa.gov/today.html>

"3-day Solar-Geophysical Forecast issued Jul 19 at 22:00 UT

SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BECOME GENERALLY HIGH. THE CONTINUED GROWTH IN AREA AND MAGNETIC COMPLEXITY IN REGION 9087 MAKES IT THE PRIME CANDIDATE FOR A MAJOR EVENT. LESSER FLARES MAY COME FROM REGIONS 9077 AND 9097.

GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD SHOULD RANGE BETWEEN QUIET AND ACTIVE LEVELS FOR 20 JULY. ACTIVE TO MAJOR STORM LEVELS ARE EXPECTED ON 21 JULY IN

^^
RESPONSE TO TODAY'S SUSPECTED MASS EJECTION. UNSETTLED TO ACTIVE LEVELS SHOULD RETURN
^^
ON 22 JULY. THE CURRENT SOLAR PROTON EVENT COULD END ON 20 JULY.

HOWEVER, THE LARGE FLARES EXPECTED FROM REGION 9087 WILL LIKELY CAUSE NEW INJECTIONS OF ENERGETIC PROTONS DURING THE PERIOD."

CME data is sketchy hard to tell what might happen. The latest WWV report I have 20-Jul, 2000UTC, calls for the geomagnetic field to be at unsettled to major storm levels.

And, look at these flare probabilities from the most current RSGA:

...

III. EVENT PROBABILITIES 20 JUL-22 JUL

CLASS M 90/90/90 <--90% change of M class flare!!!

CLASS X 50/50/50

PROTON 50/50/50

PCAF YELLOW

....

Yep could be interesting, may not, you never know.

Last week's events point out something interesting. Many people reported good success during last weeks BIGGIE X flare/CME induced geomag storm...etc. Others mentioned terrible conditions. Remember, a lot of this data is "averaged" from sensors located around the world. Your location may be OK. You won't know until you switch on the rig and give it a try.

Remember a bad day playing radio beats a good day at work any time!
;-)

72/3 Rod, N0RC -- Fort Collins, CO

TO THE HUNT!

Date: Thu, 20 Jul 2000 08:58:58 -0700

From: Mike Parkes <mike.parkes@westcoasthotels.com>

To: qrp-1@Lehigh.EDU

Subject: [75432] Solar Power Resources/links for QRP?

Message-ID: <s976bf5d.067@g-b.com>

Mime-Version: 1.0

Content-Type: text/plain

Content-Disposition: inline

I am interested in trying solar power for my qrp rig (Sierra) and wondered if anyone has some good links for reference?

Thanks

Mike AB7RU

Date: Thu, 20 Jul 2000 09:00:36 PDT
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [75433] RE: painting aluminum
Message-ID: <20000720160036.14683.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

From: Michael Ostrowski (mostrowski@CreativeSolutions.com)

>Lye is the main ingredient of most oven cleaners. Labels always warn about
>damage to aluminum...

>73,
>Mike

One other point about lye, aka sodium hydroxide, (which I have always found
available in pure form in the drain opening section of the grocery store,
BTW) is that it attacks aluminum and generates hydrogen gas probably
not a good idea in-doors or while smoking.

Hmmm, brings back memories of those days as a kid making hydrogen balloons
and just wondering what would happen if I stuck a match into one. :-)

Burnt hair really stinks. :-(

Brad

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>

Date: Thu, 20 Jul 2000 12:03:44 -0400 (EDT)
From: mulveyr@iname.com
To: mike.parkes@westcoasthotels.com
Cc: qrp-1@lehigh.edu
Subject: [75434] Re: Solar Power Resources/links for QRP?
Message-ID: <200007201603.MAA24762@mulvey.dyndns.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

> I am interested in trying solar power for my qrp rig (Sierra) and wondered if
anyone has some good links for reference?

Actually, for a cheap solar solution, the \$20.00 solar cell/controller from Radio Shack actually works pretty decently for charging small gell-cells.

- Rich

Date: Thu, 20 Jul 2000 10:30:49 -0600
From: "Rod, N0RC" <n0rc@qsl.net>
To: "qrp-1" <qrp-1@Lehigh.EDU>, <elecraft@qth.net>
Subject: [75435] PICS
Message-ID: <033f01bff267\$df673720\$688611d8@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks:

First a question. Is the 16c77 PIC in the K2 reprogramable?

I have 2 of these from various upgrades. If they are reprogramable, I thought they would be fun to play around with. So what do I need to reprogram them, learn the language they speak....etc.

I've searched the Microchip web and other internet sites related to PICs. Frankly, I'm a little overwhelmed by all the information. I'd appreciate a little PIC Elmering to get started. TIA

72/3 Rod, N0RC -- Fort Collins, CO

Date: Thu, 20 Jul 2000 09:40:53 -0700 (PDT)
From: Jim Cluett <w1pid@yahoo.com>
To: mike.parkes@westcoasthotels.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [75436] Re: Solar Power Resources/links for QRP?
Message-ID: <20000720164053.19103.qmail@web2004.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Try
<http://www.jademountain.com>
and
<http://www.realgoods.com>

73 Jim w1pid@arrl.net

--- Mike Parkes <mike.parkes@westcoasthotels.com>
wrote:
> I am interested in trying solar power for my qrp rig
> (Sierra) and wondered if anyone has some good links
> for reference?
> Thanks
> Mike AB7RU
>
>
>
>

Do You Yahoo!?
Get Yahoo! Mail Free email you can access from anywhere!
<http://mail.yahoo.com/>

Date: Thu, 20 Jul 2000 12:48:11 -0400
From: "Brian" <brian@iquest.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [75437] Fox ASSumptions
Message-ID: <008a01bff26a\$4a830960\$3d05080a@cincom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Am I correct in this ASSumption:

AE2T will be the Fox on July 21st, at 01:00 UTC somewhere near 14060 on the
20m band.

July 1st 01:00 UTC means July 20th 09:00PM EDT

KB9BVN/QRP - New Whiteland IN - EM69WN
QRP-ARCI #10223 QRP-L #1540 FIST #5695
FISTS CC #764 - Proud Member ARRL

TEN TEC SCOUT @ 5W or NORCAL 40a @ 1.3W
INTO INFAMOUS AF4PS ATTIC DIPOLE

=====

Date: Thu, 20 Jul 2000 10:59:47 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-l@lehigh.edu, sfox@egroups.com
Subject: [75438] FOX: Start Time is 0100Z
Message-ID: <3976DBA3.21840.30092C@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

The Fox starting time for this evening is 0100Z. No ifs, ands, or buts.

Al goofed in his announcement (copied text from his Sunday run?).

Sorry for any confusion-- but there really shouldn't be any. The Fox times are locked in and not subject to variation at short notice.

For the Summer Fox Hunt Committee,
Marshall Emm, N1FN
Milestone Technologies, Inc.
(303) 752-3382
<http://www.mtechnologies.com>

Date: Thu, 20 Jul 2000 13:05:27 EDT
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu
Subject: [75439] GAP Titan Schematic
Message-ID: <e2.7637cdb.26a88b57@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

This came from a post on the antenna reflector. GAP provided a schematic of which parts of the antenna assemble tune what. Alan KB7MBI

http://realpens.com/GAP_Titan.pdf

Date: Thu, 20 Jul 2000 10:11:33 -0700 (PDT)
From: Jeff <fantbb@yahoo.com>
To: qrp qrp <qrp-l@lehigh.edu>
Subject: [75440] This has got to be the worst solar cycle!
Message-ID: <20000720171133.28563.qmail@web121.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Looked the solar indices today. Shows the solar flux way up and the A index way down. Hmm, looks good for doing a little hamming before I go to work. Got on, NOTHING! 20 was dead as a doornail. OK went to 40 meters. Heard one signal! Sheesh what is with this solar cycle? 10 meters is acting like 6 meters, 15 is hardly ever open. 20 meters on the odd day actually will have some DX and decent conditions. Once in a while.

I can't believe I couldn't wait until this solar cycle rolled around. It's terrible!

A frustrated ham I am

Jeff

=====

Jeff Jones
AB6MB
NorCal QRP Club #65, QRP-L #1780, ARCI 10071
Radical FIST Member 6798
Voicemail/Fax 1-888-Excite2 ext 925-439-2514
ICQ 62450117

Do You Yahoo!?
Get Yahoo! Mail Free email you can access from anywhere!
<http://mail.yahoo.com/>

Date: Thu, 20 Jul 2000 13:14:41 -0400
From: "Ed Tanton" <n4xy@att.net>
To: <fantbb@yahoo.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [75441] RE: This has got to be the worst solar cycle!
Message-ID: <CKEGICNFDIMCEKEDCEHFGEMKDEAA.n4xy@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hear! Hear!

Sorry... once I wrote it I couldn't resist!

73 Ed Tanton <n4xy@arrl.net>

website: <http://www.qsl.net/n4xy/>

Date: Thu, 20 Jul 2000 10:19:45 -0700
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
To: "Rod, N0RC" <n0rc@qsl.net>
Cc: qrp-1 <qrp-1@Lehigh.EDU>, elecraft@qth.net
Subject: [75442] Re: [Elecraft] PICS
Message-ID: <397734B1.30F08425@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Rod,

The PICs are one time programmable parts. They use EPROM technology, but you would need to cut a window into the top cover to erase them. (The erasable parts, which are available from Digikey, cost three to four times more each..)

73, Eric WA6HHQ

--

<http://www.elecraft.com>

"Rod, N0RC" wrote:

> First a question. Is the 16c77 PIC in the K2 reprogrammable?

Date: Thu, 20 Jul 2000 13:29:36 -0400
From: Paul Womble <pwomble1@tampabay.rr.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [75443] Re: This has got to be the worst solar cycle!
Message-ID: <39773700.13030D00@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

>From Central Florida last night 20m was in great shape. With the K2 @ 5 watts I was able to break a pretty big pile for ER230A. I can't help

but smile when a dx station asks the pile to stand by while he asks how much power I am running and then tells me how FB my 5 watt qrp signal is!!

Several other Eastern European's were worked down in the band...and I was able to run a few more Europeans up around 14.061 before pulling the plug.

Signals were all 579 or better...with the kilo-watt guys from EU really booming in well over S9+.

73

Paul AJ4Y

Let's hope the condx are good for the hunt tonight. Go SWAMP RATS!!!!!!

--

Polk County Chapter American Red Cross:

<http://www.redcross.org/fl/polkcounty>

Date: Thu, 20 Jul 2000 12:28:09 -0500
From: Charles K Brown <n4so@juno.com>
To: qrp-l@lehigh.edu
Subject: [75444] PICS
Message-ID: <20000720.122809.14518.14.n4so@juno.com>

PICSTART Plus Programmer
Source: Digi-Key catalog 145
Kit includes manuals and PICSTART Plus software.

Heard/Worked on 14 Mhz 1100-1200Z
RV9CW, YB0DPO at the low end

4W6BCN 14.028 and 14.040 listening up 2 kHz at 1200Z
QTH Dili, TIMOR QSL VK3BCN

Ken Brown N4SO
Mobile, AL EM50tk
NorCal 20 at 5 watts
4 element mono. yagi

YOU'RE PAYING TOO MUCH FOR THE INTERNET!
Juno now offers FREE Internet Access!

Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Thu, 20 Jul 2000 13:36:29 -0400
From: "J. Ervin Bates" <w8erv@email.msn.com>
To: <fantbb@yahoo.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [75445] Re: This has got to be the worst solar cycle!
Message-ID: <010c01bff271\$0d84daa0\$6525143f@win98>

" A frustrated ham I am"

Tell ya what.....I will trade you anytime in the next two weeks. I am off the air for the next two weeks, due to a move to our new home! So I guess that is OK.

Yep, I am officially off the air and my tower lays in the yard, waiting to be reconstructed at the new site...I'm depressed now, so someone send some good news about DX and all that for me.....ARRRGHHHHHHHHHH-I may go nuts! :-)

Cheers,
Erv W8ERV

HamFair2000 is coming...ask me about it!
"Dare to Dream-It Sets Your Spirit Free!"

10-10# 70639 - QRP-ARCI# 9702 - SOC# 41
QRP-L #1569 - NorCal Zombie #236 - Worked All
El Paso #033/1999 - Member, MI DX Assn.
MI QRP Club, M-1688 - FPqrp- 50 - Member ARRL
Rag Chewers' Club - WAC -
" A frustrated ham I am"

Date: Thu, 20 Jul 2000 12:51:40 -0500 (CDT)
From: ac5ez@webtv.net (K1zw)
To: qrp-l@lehigh.edu
Subject: [75446] solar cycle
Message-ID: <1306-39773C2C-1293@storefull-111.iap.bryant.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII

Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)

Yes, this cycle has been a poor one but still managed to finish off dxcc with no amp , no tower or beam , just wires and verticals and 100w or less.
k1zw

Date: Thu, 20 Jul 2000 11:00:04 -0700 (PDT)
From: Jim Hale <kj5tf@yahoo.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [75447] Beam antenna on a cordless phone - a tech question
Message-ID: <20000720180004.21316.qmail@web703.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I don't know where else to bring this question. So many good tech minds here, I beg your tolerance if I'm slightly off topic. Perhaps replies direct to me is the best way to go, "off list".

Anyone here ever worked on cordless telephones?

I have a project on my bench right now and could use some advice.

I'm trying to figure out the best place on the base station & handset circuit board for an antenna connection. The location of the signal is no problem, its the place where the whip antenna goes.

For the negative/braid connection I was wondering whats the best place?

I was thinking of using the negative DC power connection where -12v DC is input from the wall wart. Would that be best?

The cordless fone on my bench right now is a GE 25 ch autoscan from WalMart, of the 43-49.9mHz type. Its the cheapest model on the shelf.

Another question. The wall wart says output 9v DC, but when I cut it to check polarity, the voltage says 17v.

What power do I feed the base station?

Its powered by a small solar panel, and lead acid btry.

What they have been using is one of those cigarette lighter plug things that give you 9v and several other voltages.

I'm afraid that if I only give it 9v, then there may be some voltage reducing scheme on the board, and that may reduce the below peak operating power of 100mW.

Should I give it the full 12-13v and see if it works? We sure don't want less than 100mW! hi hi

Why am I doing this?

I have a neighbor who cannot get a telephone hardline to her house.

She is too far from the closest line. So the local phone co allowed her to use a long range cordless phone. And several years ago we erected a 2 el beam tuned for this freq, and a small solar power system at the base station in my north field. From there you can just see her house across a 3/4 mile wide valley.

At her house is a vertical antenna, and coax feeding the handset.

Another ham built the 1st system, and now he's gone from the area, and I'm elected to re-build.

In the 1980's I had one of these systems myself, and got burned out fixing my own system. The story is on my webpage, listed below.

Looks like I'm back in the saddle again!

The cordless fones from the mid 1980's were the easiest to work with. As I remember, some models were "9v" but I still gave them 12v, and they worked fine.

They had a sticker on handset and base station giving you the channel it was setup for. No privacy, or security systems, and other junk like this one has!

If her handset loses power she has to come over to my

field, and hang up the handset, so it can "re-program"
itself! Geeezzz

If anyone has one of those older model cordless fones
available, I sure would like to buy it from you.

Marie lost her husband afew months ago to cancer. He
was about my age, and was a really nice guy. I'd like
to do a good job for her and get a fone system going
for her.

Jim KJ5TF

=====

<http://www.madisoncounty.net/~kj5tf/>
Milliwatting Editor ARCI QRP Quarterly
Join/renew membership QRP Amateur Radio Club International
<http://www.qrparci.org/arcijoin.html>
AR QRP#2 - Kingston, Arkansas 35.94N 93.47W
Private email kj5tf@madisoncounty.net

Do You Yahoo!?

Get Yahoo! Mail Free email you can access from anywhere!
<http://mail.yahoo.com/>

Date: Thu, 20 Jul 2000 14:22:00 -0400
From: Tim Soxman <tims@hhs.net>
To: NB6M@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [75448] Re: Kent touch paddles
Message-ID: <39774348.C39B8474@hhs.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Fellows,

The Kent paddles are reacting not so much to body capacitance as
induced 60 cycle hum from all the house wiring. Operating them in a
"Pristine" environment takes the 60 cycle hum out of the equation.

73

Tim W3ZVT

Date: Thu, 20 Jul 2000 13:25:27 -0500
From: "Jay Bromley" <w5jay@alltel.net>
To: <qrp-l@Lehigh.EDU>
Subject: [75449] K2 is Gone
Message-ID: <005701bff277\$e73fa080\$319b66a6@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang hi,
The subject line says it all. Top secret 007 has found a new good home.
Thanks for the bandwidth.
73 de w5jay..

Date: Thu, 20 Jul 2000 12:45:08 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: qrp-l@lehigh.edu
Subject: [75450] I'm back
Message-ID: <Pine.SUN.4.10.10007201220240.28354-1000000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,
Gads, 5 days without QRP-L and I'm about ready for counseling. Been clearing out 600+ emails since I left friday, and very interesting to see the posts and private emails received over the big storm event over the weekend. And yup, it was a nice biggie, at least for some of us. And thanks to those who posted a couple of the updates in my absence.

Unfortunately, Denver was overcast and raining both saturday and sunday evenings, so have no idea if any aurora was visable. Was hoping my trek some 550 miles to the north would pay off :-(But have lots of emails from some of the list members reporting all sorts of weird conditions, good 6M/2M activity, and very good auroral displays. So some of you got a good show, evidently.

Another CME hit us this morning, currently causing minor to major geomagnetic storming. Sould be over by this evening.

Was hoping to drop into the annual CQC picnic saturday. We drove right past the exit on I-25, which was this huge traffic jam backed up for 5-6 miles (to Hampton Blvd) and not moving. The plan was to pickup the

U-haul truck and go to the picnic, but decided against trying to negotiate that traffic jam in a big truck I was unfamiliar with. Besides, the truck we reserved wasn't there, and it wasn't until 3pm that U-haul found us a truck. So much for this on-line reservation stuff. So sorry CQC gang that it didn't work out. Although, had I understood the run-to-the-trees thing, I could have worked you all from the motel room out by Brighton! Might have punched through the K=9 storm level.

But did "bump" into Rod Cercone NØRC on the radio and ended up having a nice breakfast with him and Jerry WØMC (also a QRP-L member) Sunday morning. They drove all the way down from Ft. Collins for this impromptu QRP meeting and had a blast. Rod had brought down a bunch of printouts for me of the geomagnetic storm since I was missing it and had no idea what was happening. That was nice. Rod has quite a QRP-mobile with his new 2000 VW bug, K2 on the dash, keyer behind the stick shift, etc. Nice setup. Have you seen the dashboard on these new VW's? Gads, you could put a Collins S-line up there! With the KMW-1. It's always nice to meet new QRPers you have emailed or read their qrp-l posts over the years. Jerry is quite a builder, and Rod has a very good understanding of the solar phenomenon, so we never ran short of something to talk about at the Village Inn :-)

It was a very distressing trip, involved in giving testimony to DA's and a trial for a child abuse case. So the visit with Rod and Jerry was a nice theraputic diversion badly needed.

There's plenty of hot areas on the sun, plenty of activity on the sun today, so conditions will continue to be interesting over the next few days. Had a nice long talk this morning with Dr. Tim Bastian, our staff solar astronomer, showing me some of his recent solar observations and evidence for some new theories about the differences between solar flares and CME's. I'll post a brief description about this a bit later when I get the time. It's quite interesting.

72, Paul NA5N

Date: Thu, 20 Jul 2000 14:55:21 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:sfox@egroups.com" <sfox@egroups.com>

Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group
<QRP-L@Lehigh.edu>
Subject: [75451] [sfox] FOX CORRECTION: AE2T Today 7/21 0100UTC
Message-ID: <200007201455_MC2-ACF2-6693@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
charset=ISO-8859-1
Content-Disposition: inline

Al:

Well this means a lot of hounds will be using extra buckshot tonight. =

Might even use a full choke and scope to make sure :-). GL and have a great time. Sure hope the solar conditions are not going to affect your run very much. Thanks again for being a FOX this season.

72/73,

--W.D. (Doc) Lindsey
DSBF
PO Box 6028
Bismarck, ND 58506
(Shipping =3D DSBF, 2020 Lovett Ave, Bismarck, ND, 58504)
E-Mail =3D K0EVZ@arrl.net

Date: Thu, 20 Jul 2000 13:06:36 -0600
From: zmola@campbellsci.com
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [75452] Re: 14060 QRM
Message-ID: <200007201332.NAA32296@demeter.campbellsci.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

I don't see why a computer couldn't be heard on two continents, They are not limited to North America. I don't doubt that it is a real signal, but I wouldn't dismiss the computer issue. Maybe someone's computer noise is leaking into his Linear.

Carl
AC7BB

Curt Milton <wb8yyy@yahoo.com> wrote:
> No - since its been heard on at least two continents
> it was a real signal from the ionosphere! It was

> strong and wide ... let's hope it doesn't come back!

<Snip>

> > It might be RFI from a personal computer-- I can
> > hear mine on 060, so I turn it
> > off when I'm doing something "critical." It's also
> > a problem on 10.115, so if
> > you can relate QRM on those two frequencies it's
> > most likely a computer.

Carl

zmola@campbellsci.com

Date: Thu, 20 Jul 2000 12:15:38 PDT
From: "laura halliday" <marsgal42@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [75453] Re: PICS
Message-ID: <20000720191538.37057.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Rod NORC asked about PICS...

First off: the reprogrammable ones have a window in them, like a UV-erasable PROM. Or, they are certain PIC versions, like 16F84. These devices are based on EEPROM or flash, so you can erase and reprogram them from software.

The Microchip web page is pretty comprehensive. But if you follow some of the 3rd party/enthusiast links they provide, you will find some good stuff that may be a bit less daunting.

My PIC stuff is based on the 16C84 and 16F84. While not as cheap as the cheapest devices, they are much cheaper than the (expensive!) UV-erasable parts. You don't need UV facilities to erase them, and you can make ridiculously simple programmers for them. Look for Mark Covington's "No Parts PIC Programmer" - this is the one I use. It works fine.

A painless introduction to much of this stuff is through devices like the Basic Stamp. Even easier to program, and you don't have to mess around with PIC assembler.

Laura Halliday VE7LDH "Que les nuages soient notre
Grid: CN89mg pied a terre..."
 - Hospital/Shafte

Date: Thu, 20 Jul 2000 15:12:03 -0400
From: Joe Mikuckis <k3chp@erols.com>
To: qrp-l@lehigh.edu
Subject: [75454] Wattmeters
Message-ID: <39774F03.4ADB@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

73 de Joe, K3CHP
Riverdale, MD

- TEAM COMPETITION -

(1) - SWAMP RATS: Pts=5 "Clean Sweep"

- K0EVZ - Doc <-
- NV4V - Pete <-
- AF4PS - Mac <-
- AJ4Y - Paul <-
- N1TP - Tom <-

(2) - QRP CHEESEHEADS: Pts=1

- N9AW - Jerry
- NK9G - Rick <-
- AE9K - Brian
- WA9TZE- Jim
- tba - do you have a fifth pse?

(3) - RAIDERS OF THE LOST RF: Pts=1

- NA6E - Mary
- VE3FAL - Fred
- VA6RF - Earl <-
- VE5RC - Bruce
- VE6JAZ - Robert

(4) - THE FLYING PIGS: Pts=4

- KB9BVN - Brian <-
- N8IE - Dan <-
- W8DIZ - Diz <-
- WB6JBM - Rick <-
- AC7CF - Andrew

(5) - GANDALF the GREY:

- G0JJQ - Wayne

(6) - BIG DAWGS: Pts=1

- N1FN - Marshall
- N5TW - Tom
- WJ1R - Larry
- NW7DX - Ben
- N6WG - Bob

..."any new Teams and/or changes are to be made by the start of the next hunt on Thursday, July 13th".....

...I may have missed an e-mail from the QRP CHEESEHEADS while I was away at the hamfest, so do you folks have a 5th member?...other than this, we now have our Teams along with Gandalf the Grey, G0JJQ...

....I'm VERY busy with family matters and visitors from Ontario, but I will now work on the second hunt and get it posted etc until I'm caught up...thanks for your patience...as always corrections are invited and

encouraged... ;-) ...good luck tonight everyone and have fun!

....72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Thu, 20 Jul 2000 15:31:59 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <n0rc@qsl.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [75456] Re: PICS
Message-ID: <009c01bff281\$4c68c1e0\$2101a8c0@insydesw.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well... If it ain't got a window, and it doesn't have an "F" in the number (meaning 'Flash'), then probably nope!! There are a few EEPROM versions floating around, but I don't believe in any compatible with anything in the K2.

When someone builds a project with PICs, they will generally buy a few OTP parts. These generally are EPROMs that are UV erasable. BUT, they don't have a window on them! So, while they are technically programmable again, you have to find a way to erase them. (I've been told some X-Ray machines do wonders...) Anyway, OTP stands for One Time Programmable. Why buy these? Cause their CHEAP!! And functionally they are IDENTICAL to the EPROM versions you are probably developing with!

So, the bottom line is no, you can't really do much with the parts. UNLESS you just HAPPENED to have one that 'slipped out' that had a 'window' on it! (Hey, it happens!)

But, if you want to learn... The MicroChip parts are neat, and are fairly cheap. I have a number of the 12Cxxx parts in EPROM and OTP. Little 8-pin guys that are really amazing to play with!

Mike

> Folks:
>
> First a question. Is the 16c77 PIC in the K2 reprogrammable?
>
> I have 2 of these from various upgrades. If they are reprogrammable, I
> thought they would be fun to play around with. So what do I need to
> reprogram them, learn the language they speak....etc.
>
> I've searched the Microchip web and other internet sites related to
> PICs. Frankly, I'm a little overwhelmed by all the information. I'd
> appreciate a little PIC Elmering to get started. TIA
>
> ---
> 72/3 Rod, N0RC -- Fort Collins, CO
>
>
>

Date: Thu, 20 Jul 2000 12:39:30 -0700 (PDT)
From: Shawn Upton <kb1ck1@yahoo.com>
To: qrp-1@Lehigh.EDU
Subject: [75457] SMK1 kit
Message-ID: <20000720193930.2662.qmail@web4802.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hi, I'm thinking of getting a couple of these kits (if they are still offered). One question tho--I know the receiver is a dc design, but what is the bandwidth on it? 300Hz, 3kHz, barn-door-Hz? Thanks.

KB1CKT
Shawn Upton
Pembroke, NH

Date: Thu, 20 Jul 2000 15:40:29 -0400
From: "Franco, Nicholas J" <franco@bnl.gov>
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Subject: [75458] Re: Wattmeters
Message-ID: <698DB793D712D31180B600902746422DFB48E7@exchange01.bnl.gov>
MIME-Version: 1.0
Content-Type: text/plain;

charset="windows-1252"

The readout is not
linear, frequency-sensitive, and the ranges do not track. There is

a
reason why good wattmeters cost big bucks.

73 de Joe, K3CHP
Riverdale, MD

Came home yesterday to find the latest QST waiting for me. One of the last articles is a quickie Wattmeter. I quickly built it and tried it out on a variety of kits with varying output power from 250mW (SMK-1) to 1.8W (DSW-20) with surprising results.

First, I used a 20uA meter face (pretty sensitive, I thought). The 100ohm Var. makes it nice and easy to adjust or calibrate.

I had done the measurments using my DVOM from my home brew 50ohm dummy load with a .01uF cap and 1N914. I don't know exactly how accurate my watt measurements are, but they are consistent. So the SMK-1 calculates out to 249.4mW or ~250mW. The DSW-20 at ~1.8W; the SW-30 is about ~2W (haven't measured that in a long time); the TT2 caluclated out to ~750mW (wow); etc. etc. etc.

I built the Wattmeter according to spec. (except for the meter movement) and used the SMK-1 to calibrate the meter to 250mW at the first major division. This would give me up to 2W measurable on the meter movement. Looked great. Next, I hooked up the SMiTe which calculates out to 360mW on 12v and 180mW on 9v. The Meter face showed about ~360mW - Still good.

Next: the DSW-20: WHAT? It showd only 750mW on the meter yet the output calculates to 1.8W. I didn't understand what was wrong. I measured the TT2 and is only showed 400mW or so. My Tixie measured 500mW and that's pretty close to reality. Seems the more power I put into this meter device the less the accuracy. I hooked up the IC-728. When I cranked up the power to get the movement to reach the 2W level (full tilt), I then put the output to the MFJ-941 tuner and it's meter was up to 15W. Something is very wrong.

I'll try again with a 100uA movement if I have one and see what that does. But I tend to think that Joe is right. They wouldn't charge big bucks for a commercial Wattmeter if you could build one for a few cents and not compromise accuracy.

72 oink!
Nick - kf2p . .

FP# 90 / QRP-L # 13

--
Nicholas J. Franco <>< BROOKHAVEN NATIONAL LABORATORY
Systems Administrator Collider-Accelerator Department
Tel: (516) 344-5467 UPTON, NY 11973-5000
Fax: (516) 344-2833 Ham Call: KF2P
<mailto:nickf@bnl.gov> <http://www.rhichome.bnl.gov/People/franco>

Date: Thu, 20 Jul 2000 15:47:13 -0400
From: "Hare, Ed, W1RFI" <w1rfi@arrl.org>
To: "'rsstone@juno.com'" <rsstone@juno.com>, Low Power Amateur Radio Discussion
<qrp-1@Lehigh.EDU>
Subject: [75459] RE: Need December 66 QST Article
Message-ID: <125490A005E3D3118C9C00805FC743CCB2C0E7@mail.arrl.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

> Hi - If anyone has this issue I'd appreciate a copy of the following
> article: "The Field Effect Transistor as a Stable VFO
> Element." Will pay
> copying and postage costs. Please respond direct. Many thanks.

Just for information, although it is much more economical to find local
copies, library, friend, etc., ARRL can make photocopies of past issues.
The charge of \$3.00 covers copying, mailing and staff time. For current
members, the Technical Secretary can make the reprints and mail them out,
with a post-card "invoice."

Email reprints@arrl.org and ask for the article copy, if you need it. Make
sure to include your postal address.

Now, this ISN'T a commercial; at \$3, the League really is not recovering all
of its costs. :-)

73,
Ed Hare, W1RFI
ARRL Laboratory
<http://www.arrl.org/tis/>

> -----Original Message-----
> From: Ron S Stone [mailto:rsstone@juno.com]
> Sent: Tuesday, July 18, 2000 10:34 PM
> To: Low Power Amateur Radio Discussion
> Subject: Need December 66 QST Article

>
>
> Hi - If anyone has this issue I'd appreciate a copy of the following
> article: "The Field Effect Transistor as a Stable VFO
> Element." Will pay
> copying and postage costs. Please respond direct. Many thanks.
>
> 72,
>
> Ron (KA3J)
> Bethesda, MD
> -----
> YOU'RE PAYING TOO MUCH FOR THE INTERNET!
> Juno now offers FREE Internet Access!
> Try it today - there's no risk! For your FREE software, visit:
> <http://dl.www.juno.com/get/tagj>.
>

Date: Thu, 20 Jul 2000 13:52:36 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>
Subject: [75460] Summer Fox Hunt #2 - AE2T -
Message-ID: <Pine.LNX.3.95.1000720134518.1627A-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

- TEAM COMPETITION -

- (1) - SWAMP RATS: Pts=9
 - K0EVZ - Doc <-
 - NV4V - Pete <-
 - AF4PS - Mac
 - AJ4Y - Paul <-
 - N1TP - Tom <-
- (2) - QRP CHEESEHEADS: Pts=1
 - N9AW - Jerry
 - NK9G - Rick
 - AE9K - Brian
 - WA9TZE- Jim
 - tba - do you have a fifth pse?
- (3) - RAIDERS OF THE LOST RF: Pts=3

- NA6E - Mary
- VE3FAL - Fred
- VA6RF - Earl <-
- VE5RC - Bruce <-
- VE6JAZ - Robert

(4) - THE FLYING PIGS: Pts=7

- KB9BVN - Brian <-
- N8IE - Dan
- W8DIZ - Diz <-
- WB6JBM - Rick <-
- AC7CF - Andrew

(5) - GANDALF the GREY:

- G0JJQ - Wayne

(6) - BIG DAWGS: Pts=4

- N1FN - Marshall <-
- N5TW - Tom <-
- WJ1R - Larry <-
- NW7DX - Ben
- N6WG - Bob

..."any new Teams and/or changes are to be made by the start of the next hunt on Thursday, July 13th".....this deadline has come and gone.....

....72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
 A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
 "QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

 Date: Thu, 20 Jul 2000 14:51:21 -0500
 From: "Terry Bassett" <mutabut@net66.com>
 To: <Qrp-1@LeHigh.edu>
 Subject: [75461] Problem with SW40+
 Message-ID: <000901bfff283\$e13d6d00\$0101a8c0@pavilion>
 MIME-Version: 1.0
 Content-Type: text/plain;
 charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hello All,

My sw40+ has a birdie in it. The Arrl Handbook troubleshooting section doesn't call anything a Birdie. Maybe it has a more technical name? The question: How do I find and resolve a Birdie. It seems to be at audio level and doesn't ever move around any. Am I looking for a solder bridge or is this more likely to be a defective component situation. Test tools here are a DMM and an analog VOM and two Rf sniffers made during the building of a couple of kits. I also have a Logic probe if that would help.

Hope someone will give me some guidance on this. I will wait patiently as I do I'll prepare to nab a Fox.

72,

Terry, KA9TXE East Central Illinois

Date: Thu, 20 Jul 2000 12:14:57 -0700
From: Bruce Grubbs <n7ceeqrp@earthlink.net>
To: ARDUJENSKI@aol.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [75462] Re: Backpacker Rig Question
Message-ID: <4.3.2.7.0.20000720121007.0330b7c8@earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I've used both the DSW40 and the SST40 on backpack trips. Overall, I prefer the DSW40 because of the frequency range and the RIT. Since the DSW series is not available, I'm considering an SST for 30m, where the frequency coverage would be good enough. I'd still miss the RIT, but since there aren't any contests on 30 I probably wouldn't miss it that much.

I also have a Sierra, which is an excellent backpacking rig, as it was intended to be. With the KC2 keyer/display, it actually draws a bit less rx

current than the DSW 40, and of course you can operate it on any band you want. Pack weight comes out about 1.9 lb more than the DSW or SST, and it's certainly more bulk, so I don't take it on every trip.

73

Bruce N7CEE

Date: Thu, 20 Jul 2000 12:55:15 -0700
From: Bruce Grubbs <n7ceeqrp@earthlink.net>
To: qrp-1@LeHigh.edu
Subject: [75463] Bumblebee operation
Message-ID: <4.3.2.7.0.20000720124954.00afa520@earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

N7CEE/BB will be operating from somewhere in the Mt. Goddard region of the high Sierra (west of Bishop, California), toward the end of a nine day backpack trip. It's an exploratory, cross-country trip through the timberline country, so I don't know my exact operating site. I'll also try to operate other times, mainly in the evening, around the QRP cw frequencies. The station will be a Wilderness Radio Sierra, ZM-2 tuner, and end-fed 40m half wave wire with 1/4 wave counterpoise. There'll be two of us on the hike, but my friend is not a ham, so it'll be a single op operation.

73

Bruce N7CEE

Date: Thu, 20 Jul 2000 15:16:37 -0500
From: Michael Melland <badger@vbe.com>
To: qrp-1@lehigh.edu
Subject: [75464] W9WIS's at a dam good site this wknd
Message-ID: <39775E25.4813DF77@vbe.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I'll be camping this weekend at the Eureka Dam and Locks on the Fox River in Winnebago County, Wisconsin. I'll be operating qrp both cw and ssb mostly on 40 meters and 20 meters but would be great to get a few contacts on 10 (wishful thinking). Operating will be non-contest style fer fun so if you here my poor cw or raspy voice say hello..... rest assured it will be dam interesting if I can snag a few dam good contacts

with these dam conditions lately..... but I have a couple dam nice rigs
I'm taking along so dam it !, I hope I have some fun operating from
this dam nice site <grin>.

72/73 de Mike, W9WIS

--

Michael Melland, W9WIS
Winneconne, Wisconsin, USA
FISTS #4387, 10-10 #69281, QRP-L #1656,
QRP-ARCI #9875, AK/QRP #478, NorCal, RC #252
NJ-QRP #214, SOC #142, Cheeseheads QRP Club
List Administrator: grundig@qth.net
<http://www.vbe.com/~badger>

Date: Thu, 20 Jul 2000 13:22:15 -0700 (PDT)
From: Jim Hale <kj5tf@yahoo.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [75465] Beam antenna on a cordless phone - more stuff
Message-ID: <20000720202215.29844.qmail@web704.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Just discovered that this models whip antenna was
connected to ground on the board! So i wont be able to
attach any external antenna on this one.

I opened the old base stn, made abt 6 years ago i
would guess. The ground and signal are sepearte, so
this new fone has a twist to it!

Afraid I'll have to try another model. Maybe the
second cheapest model on the shelf! hi !

If i can find another one thats not 900mHz that is. My
antenna testing gear only goes to 2M.

I'm sure we will get something going.

Oh, several warned me that this might be illegal, were
concerned I'd get in trouble.

Thanks, but not to worry. Before the phone co allowed
me to hook up my homebrew telephone they called the

FCC, and got the ok.

When one of my neighbours built one just like mine, the phone co actually had the FCC come out and see his system.

The max power isnt adjusted, only ERP is effected, and that was fine with them.

Not sure if this is a "national" ruleing, or local agreement to "let it slide". There are about a dozen families around here who cant be reached with a hardline, but are connected by these systems.

This area has canyons that cant be reached, and homes on ridges. Cell phone coverage is spotty.

So, its beam antennas, and milliwatt powered telephones to the rescue.

73
Jim KJ5TF

=====
<http://www.madisoncounty.net/~kj5tf/>
Milliwatting Editor ARCI QRP Quarterly
Join/renew membership QRP Amateur Radio Club International
<http://www.qrparci.org/arcijoin.html>
AR QRP#2 - Kingston, Arkansas 35.94N 93.47W
Private email kj5tf@madisoncounty.net

Do You Yahoo!?
Get Yahoo! Mail Free email you can access from anywhere!
<http://mail.yahoo.com/>

Date: Thu, 20 Jul 2000 22:35:53 +0200
From: "Carel Mulder, PA0CMU" <cmulder@casema.net>
To: <qrp-l@lehigh.edu>
Subject: [75466] How to use Solar Panels
Message-ID: <002801bfff28a\$1a343160\$02c8c8c8@ZOLDER01>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

Hi all,

For his holiday task, my son had to clean up a garage. His "boss" told him to throw

everything into the garbagecontainer.

Happily for me he nows what is interesting for his fathers radiohobby so he brought home

(with permission of his boss)

6 solar panels measuring 9,5 by 15 inch.

I have never experimented with solar panels and I want to know:

- can I power my qrp-rig directly or do I 've to place a battery-pack as a buffer?
- can I put (all) cells in parallel and using a seriesdiode(s) to charge the battery?

The manufacturer is LG Industrial Systems Co.Ltd. and the backside-label says:

LG PHOTOVOLTAIC MODULE

Model: GMG00510

Power(typical 10%)	9,9Watts
Current(typical load)	0,6Amps
Voltage(typical load)	16,5Volts
Short circuit current	0,64Amps
Open circuit voltage	20,4Volts
<1000W/m2, 25Celcius, AM1.5>	

Any info will be appreciated.

72

Carel - PA0CMU.

Date: Thu, 20 Jul 2000 16:44:33 -0700
From: Charles Kadesch <w3kc@starpower.net>
To: ai2q@ispchannel.com
Cc: "QRP-L (E-mail)" <qrp-l@lehigh.edu>
Subject: [75467] Re: Remote controlled balanced tuner
Message-ID: <39778EE1.E479B23D@starpower.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Alex: I close the feedback loop personally by operating two rocker switches that control the gear motors while keeping an eye on the SWR at the tuner input and a pair of RF ammeters in series with the feedline at the tuner output. The switches are at the rig and the meters are over at

the tuner where the feedline enters the shack (thru the window). I find I sometimes get multiple or very broad SWR nulls but I want the L-C setting that maximizes the RF power output while keeping the SWR that the rig sees at a reasonable level. Although closed loop electromechanical feedback would be nice, I remember one of my old EE professors having a tongue-in-cheek definition for a Servomechanism: "A system, usually of great complexity, in which the output of a device is sampled and fed back to the input in order to produce uncontrollable oscillations". I enjoy closing the loop myself so I let it go at that- but it would be a very interesting project to automate.

72

Chas W3KC

AI2Q Alex wrote:

> Chas, your note is really interesting. Did you use the dc wrench motors in a
> closed-loop configuration, as in a servo loop? ...

Date: Thu, 20 Jul 2000 21:31:56 +0000
From: Goran Hosinsky <hosinsky@jet.es>
To: qrp-l@lehigh.edu
Subject: [75468] Website for portable antenna?
Message-ID: <39776FCC.6A75227B@jet.es>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

There is a portable antenna described at a web site, consisting of two lengths of wire and some plastic spreaders for a balanced feed which is construct at the moment of mounting the antenna. I have not been able to find it again. Help pleas to find the site again.

73

Goran ea8yu La Palma Island, Canary islands.
Politically: Spain Geographically: Africa

Date: Thu, 20 Jul 2000 21:23:34 +0000
From: nilsbull@juno.com
To: QRP-L@lehigh.edu, elecraft@qth.net
Subject: [75469] Sea side radio after effects & the joy of Humiseal

Message-ID: <20000720.212346.-181879.0.nilsbull@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Gang,

So I get home and start working on cleaning up from the after effects of having been somewhere else for a week and some. First off, we're getting some rooms painted & wallpapered, so there's junk from those two rooms stashed everywhere within stumblin' range.

But . . .

Once I got home & started messin' with the amp & relay driver & maybe the diode switching t/r switch & stuff, I noticed something very important: all the ferrous surfaces of all the hardware on all the stuff had a minute, although not necessarily thin patina of rust on it. So, I sez to myself while listening to the KP4 gang on 7.205 the other night (which is another story), maybe I should consider what this is doing to the innards of these boxes that I have so feverishly slaved over all these months now.

Yep, them screws inside the case is a bit rusty. The hardware holding the switch transistors in the amp is rusty. The screws on the paddles, on the exposed ferrous surfaces, the set screws of the knobs, the unpainted places on the little steel Z-match box, all of 'em rusty.

So now I'm stuck with a real problem: I have a big bottle of spray on Humiseal, like what we used to use at Drake on the marine radios to protect 'em from salt spray &c. I also have a small jar of the same goop in thicker liquid form. And I'm seeing that my idea of Humisealing the entire set up might not be such a bad idea.

Except for one thing: what if I am unable to resist the temptation to get, build & install the possible 6m transverter option for the K2? What if I find a way to keep the plates of the antenna tuner from arcin' and I want to do some mods in that box? I mean, have you ever tried to do repairs through Humiseal or similar lacquers? Like in old R390s or WRR-2s or GRC179s? It's like pullin' teeth!

And them amplifier transistors? What about them?

73

Nils

. . . really, there are a bunch of Puerto Rican hams who congregate around 7.205 MHz every evening. Sometimes they get flack from some

gringos who don't hear them ID (in English sometimes even). And another group that meets on 18.122 every day or so. And the Jamaican guys (here and on the island) who hang around 18.117 on weekends. Bad conditions? Yeah, right.

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes Sonrientes
<http://www6.50megs.com/w8ijn> -- W8IJN -- <http://members.xoom.com/nilsbull>
"In MY day we had to FIGHT to have signatures! Every DAY was a STRUGGLE!"
-- Comrade Nikolai Sergeievich
McTovarishov, 19 Oct 1917

YOU'RE PAYING TOO MUCH FOR THE INTERNET!
Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Thu, 20 Jul 2000 14:40:12 PDT
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-1@lehigh.edu
Cc: marsgal42@hotmail.com
Subject: [75470] Re: PICS
Message-ID: <20000720214013.55226.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

From: laura halliday (marsgal42@hotmail.com)
>.....You don't need UV
>facilities to erase them, and you can make ridiculously
>simple programmers for them. Look for Mark Covington's
>"No Parts PIC Programmer" - this is the one I use. It
>works fine.

Laura,

I am just getting started with PICs (still waiting for the parts to arrive) and ordered a 16F872 along with the 'F84s. The 16F8xx series look pretty cool, what with all the AD converters and all. Is there a good programmer available to the homebrewer for said chip? There seem to be a lot of different programmers (software portion) out there.

Brad

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>

Date: Thu, 20 Jul 2000 17:44:28 EDT
From: WB3LGC@aol.com
To: mike.parkes@westcoasthotels.com, qrp-1@lehigh.edu
Subject: [75471] Re: Solar Power Resources/links for QRP?
Message-ID: <f4.10e5b97.26a8ccbc@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 7/20/00 11:56:18 AM Eastern Daylight Time,
mike.parkes@westcoasthotels.com writes:

> I am interested in trying solar power for my qrp rig (Sierra) and wondered
> if
> anyone has some good links for reference?
> Thanks
> Mike AB7RU

>

>

>

>

I run out of disk space on AOL and need to split the data between accounts,
but, 100% of the information is there, just some pictures are missing and the
format of the heading is not as I wanted...

<http://members.aol.com/wb3lgc/solar.htm>

72, Steve

Date: Thu, 20 Jul 2000 21:49:06 +0300
From: Arjen Raateland <Arjen.Raateland@vyh.fi>
To: alihernlem@hotmail.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [75472] Re: painting aluminum
Message-ID: <397749A1.C580C442@vyh.fi>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Brad Hernlem wrote:

>

> One other point about lye, aka sodium hydroxide, (which I have always found
> available in pure form in the drain opening section of the grocery store,
> BTW) is that it attacks aluminum and generates hydrogen gas probably
> not a good idea in-doors or while smoking.

Lye attacks not only aluminium but wool, too. I have this from my own experience. One evening long ago I fetched some (KOH or NaOH) lye - it came in small pellets - from my father's drugstore in a little paper bag. As I bicycled home it started to pour. My jacket got pretty soaked. When I got home I had already forgotten about the lye in my pocket and hung the coat over a chair in the living room. Next day there was a hole in the woollen carpet where I'd hung my jacket :-(

So be careful with the stuff; it can ruin your clothes, too. My (60's) jacket was made of nylon fabric, though, and as far as I remember, it survived the ordeal.

73,

--

Arjen Raateland
OH2ZAZ

SAS Support
Finnish Environment Institute, Helsinki

AX.25: OH2ZAZ@OH2RBI.FIN.EU

Date: Thu, 20 Jul 2000 14:59:56 PDT
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: Arjen.Raateland@vyh.fi
Cc: qrp-1@lehigh.edu
Subject: [75473] Re: painting aluminum (getting OT)
Message-ID: <20000720215956.33287.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: Arjen Raateland <Arjen.Raateland@vyh.fi>

>Lye attacks not only aluminium but wool, too. I have this from my own
>experience. One evening long ago

Yeah, that's true. Any kind of hair will be attacked given enough time. I once used a similar procedure to make rawhide. I used wood ashes (a crude

source of potassium lye) to dehair the skin. An overnight dose and all the hair just slipped right off.

Brad

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>

Date: Thu, 20 Jul 2000 17:28:47 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [75474] Re: This has got to be the worst solar cycle!
Message-ID: <200007202206.SAA29288@wolf.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

> to work. Got on, NOTHING! 20 was dead as a doornail. OK went to 40
> meters. Heard one signal! Sheesh what is with this solar cycle? 10

I thought the bands were still dead from the flare, or my radio had gone bad with all the backpacking it's been through lately. Last night I found a bad connection on the center pin of the PL-239 that screws into the W2DU balun at the bottom of my G5RV. Now it works like gang busters again :-) Gezz, wonder how long that's been intermitent?

72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

End of QRP-L Digest 1888

